

ANNUAL REPORT FOR 2007



**Smith Creek Parkway
Temporary Impact Sites
New Hanover County
TIP No. U-92A and B
CAMA permit No. 178-00**



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June 2007

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SUMMARY

The Smith Creek Parkway temporary impact sites (U-0092A & B) are located in New Hanover County. This is an annual report for the eight temporary impact sites associated with the construction of the Smith Creek Parkway. The sites were completed in April 2006.

The temporary impacts encompass approximately 1.2 acres. The areas that were impacted are being monitored to ensure that it re-attains wetland jurisdictional status. No hydrologic monitoring is required for these sites; however, vegetation monitoring is required for three years.

After the second year of monitoring, the Smith Creek Parkway temporary impact sites show by visual observation that the temporarily impacted areas are re-attaining wetland jurisdictional status.

NCDOT recommends continuing vegetation monitoring at all eight sites.

1.0 INTRODUCTION

1.1 Project Description

The Smith Creek Parkway temporary impact sites (U-92A & B) are located in New Hanover County. This is an annual report for the eight temporary impact sites associated with the construction of the Smith Creek Parkway (Figure 1).

1.2 Purpose

In order for a temporarily impacted site to be considered successful, the site must re-attain wetland jurisdictional status. This report details the vegetation monitoring in 2007 at the eight Smith Creek Parkway sites. Hydrologic monitoring was not required for these sites.

1.3 Project History

April 2006	Project Completed
May 2006	Vegetation Monitoring (1 year)
June 2007	Vegetation Monitoring (2 year)

2.0 VEGETATION: SMITH CREEK PARKWAY SITE (YEAR 2 MONITORING)

2.1 Success Criteria

Due to the possibility that compaction, mechanized clearing, and/or other site alterations might prevent the temporary wetland impact area from re-attaining wetland jurisdictional status, the permittee shall provide an annual update on the wetland areas temporarily impacted by this project. This annual update will consist of photographs and a brief report on the progress of the temporarily impacted areas. After three years of monitoring, the permittee shall schedule a field meeting with DCM, DWQ, and WRC to determine if the temporarily impacted areas have re-attained jurisdictional wetland status. If at the end of three years the area has not re-attained jurisdictional wetland status, NC DCM and the above listed agencies shall determine whether a compensatory wetland mitigation plan will be required.

2.2 Description of Species

There were no species planted for the temporary impacts. The temporarily impacted areas were left to revegetate naturally.

2.3 Results of Vegetation Monitoring

The temporary impact areas are revegetating as seen from the 2006 to 2007 site photos. Species noted in temporary impact areas are as follows: cattails, *Scripus* sp., black willow, phragmites, sedge, *Sagittaria* sp., *Juncus roemerianus*, sawgrass, *Juncus* sp., baldcypress, cottonwood, red maple, fennel, and various grasses.

2.4 Conclusions

There were approximately 1.2 acres of temporary impacts on site. By visual observation Smith Creek Parkway temporary impact sites show that natural revegetation is occurring and that the impacted areas are re-attaining jurisdictional wetland status.

3.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS

NCDOT will continue vegetation monitoring at the Smith Creek Parkway sites.

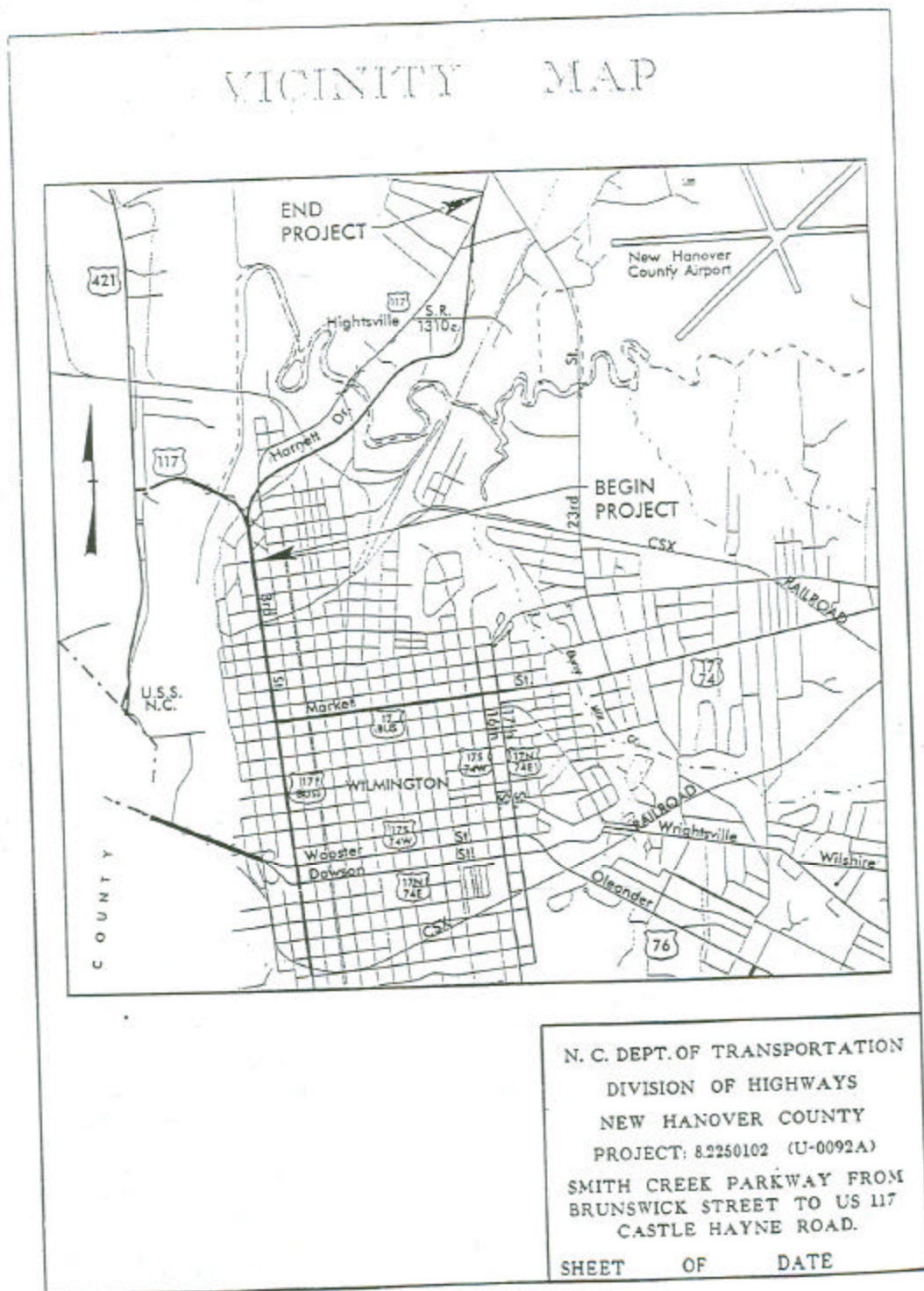


Figure 1. U-0092A Vicinity Map

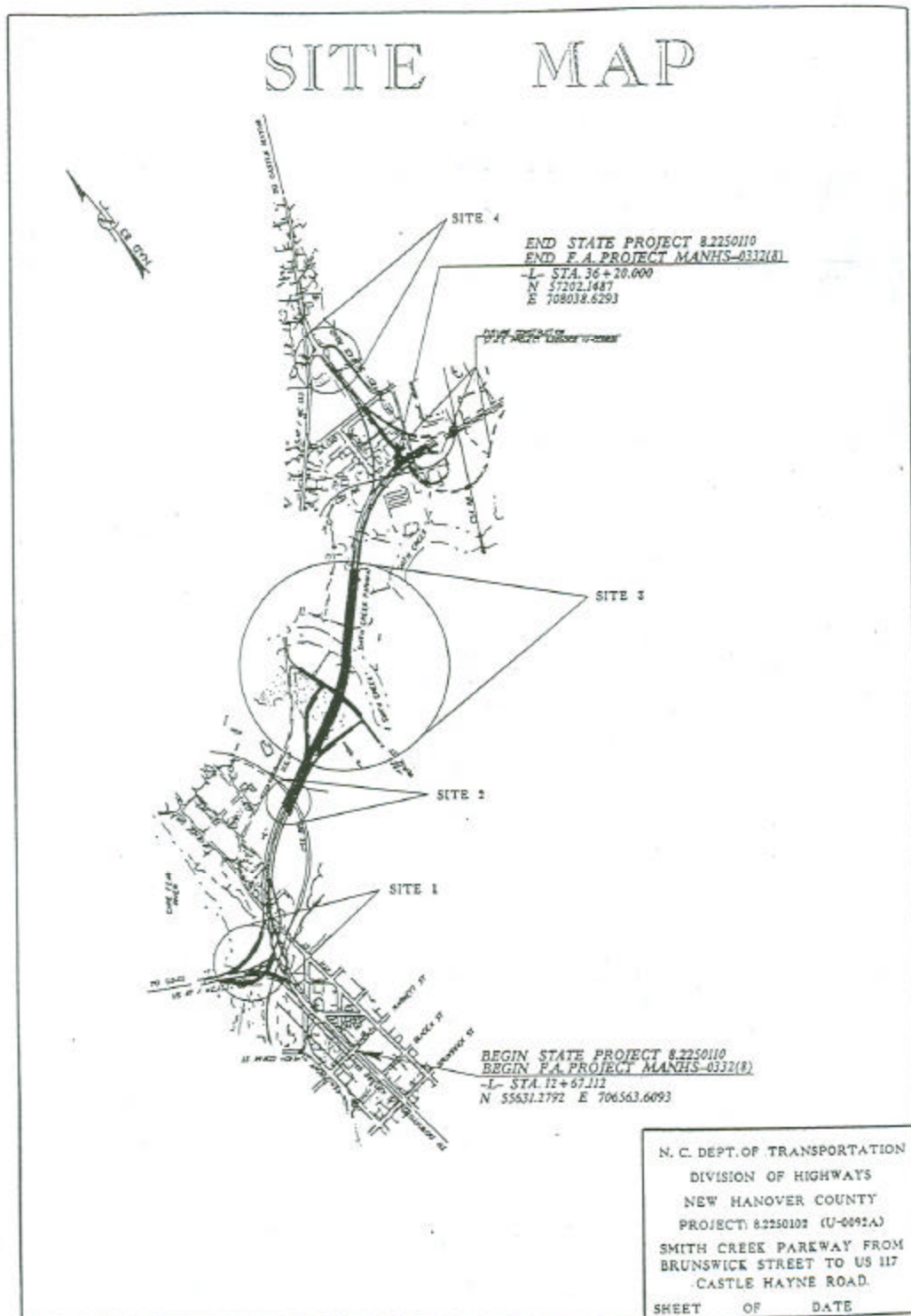


Figure 2. U-0092A Site Locations Map

The map shows the project area for the New Hanover County Airport. The project begins near Hightsville and S.R. 1310, and ends near Wrightsville and Wishnu. The map includes major roads like I-421, I-117, and I-74, and labels for 'BEGIN PROJECT' and 'END PROJECT' along a route. Other labels include 'Hightsville', 'S.R. 1310', 'Market St.', 'Wilmington', 'Wrightsville', and 'Wishnu'. A north arrow is present on the left side.

N. C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
NEW HANOVER COUNTY
PROJECT: 8.2250102 (U-0092B)
SMITH CREEK PARKWAY FROM
PROPOSED US 117 CONNECTOR TO
0.85 KM EAST OF 25RD STREET.
SHEET OF DATE

6

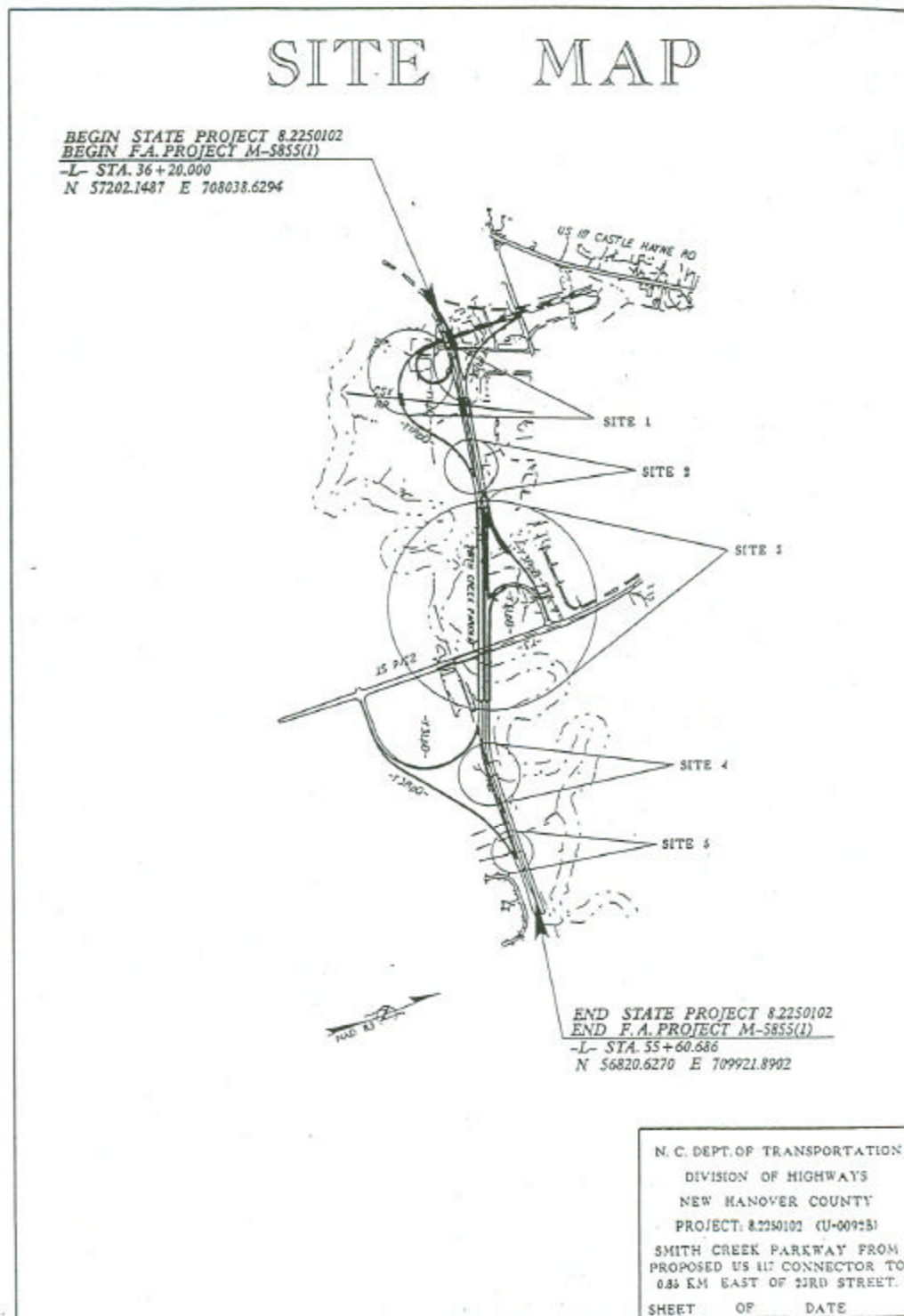


Figure 4. U-0092B Site Locations Map

APPENDIX A

SITE PHOTOS

Smith Creek Parkway

U-92A



Photo 1 (U-92A Site 1)



Photo 2 (U-92A Site 1)



Photo 3 (U-92A Site 2)



Photo 4 (U-92A Site 2)



Photo 5 (U-92A Site 3)



Photo 6 (U-92A Site 3)

June 2007

Smith Creek Parkway

U-92A



Photo 7 (U-92A Site 4)



Photo 8 (U-92A Site 4)

Smith Creek Parkway

U-92B



Photo 1 (U-92B Site 1)



Photo 2 (U-92B Site 1)



Photo 3 (U-92B Site 1)



Photo 4 (U-92B Site 1)



Photo 5 (U-92B Site 1)



Photo 6 (U-92B Site 1)

June 2007

Smith Creek Parkway

U-92B



Photo 7 (U-92B Site 1)



Photo 8 (U-92B Site 2)



Photo 9 (U-92B Site 3)



Photo 10 (U-92B Site 3)



Photo 11 (U-92B Site 3)



Photo 12 (U-92B Site 3)

June 2007

Smith Creek Parkway

U-92B



Photo 13 (U-92B Site 3)



Photo 14 (U-92B Site 4)